

INTERNATIONAL SEARCH REPORT

IB 03/06256

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q21/28 H01Q19/17 H01Q5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/105358 A (ASHOOR FAYEK) 18 December 2003 (2003-12-18)	1
Y	the whole document	2-4
Y	FR 1 184 652 A (HOLLANDSE SIGNAALAPPARATEN BV) 24 July 1959 (1959-07-24) the whole document	2-4
Y	US 6 020 859 A (KILDAL PER-SIMON) 1 February 2000 (2000-02-01)	2
A	abstract	7,8
A	US 2001/054984 A1 (SPIRITUS DANNY) 27 December 2001 (2001-12-27) abstract	10,11
A	US 4 504 836 A (SEAVEY JOHN M) 12 March 1985 (1985-03-12) abstract	8



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

30 July 2004

Date of mailing of the international search report

09/08/2004

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 03105358	A	18-12-2003	SE WO	0201745 A 03105358 A1		08-12-2003 18-12-2003
FR 1184652	A	24-07-1959	BE CH	559486 A 351000 A		31-12-1960
US 6020859	A	01-02-2000	US	6137449 A		24-10-2000
US 2001054984	A1	27-12-2001	US AU EP WO	2003090432 A1 5138101 A 1307948 A1 0180363 A1		15-05-2003 30-10-2001 07-05-2003 25-10-2001
US 4504836	A	12-03-1985	CA	1197613 A1		03-12-1985